APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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FTD-TT-64-30

Sci-Electron
June 64

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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Oscillographic Measurement of Switching and
Storage Time, by F. Bening, 11 pp.
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ACSI I-4504
ID 2204010464

Sci - Electron
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5 PP.

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JPRS 19481

EEUR - GERMANY
ECON
JUN 63

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DIRECTIONAL RADIO EQUIPMENT MANUFACTURED AT THE RAFENA-WORKS IN RADEBERG, 7 PP.

GERMAN, PER, NACHRICHTENTECHNIK, VOL XIII, NO 5, 1963, PP 198-200.

JPRS 19712

EE-GERMANY
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The Nature of Information, Its Processing, Transmission, and Recording, by H. Fruhauf, 11 pp.
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ACSI I-5428
ID 2204035864

Sci - Electron
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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Measurement Dynamics and Information Theory,
by E. G. Moschni, 14 pp.
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pp 369-373. P100194668-V
FTD-HT-67-310

Sci/Behav & Soc Sci
Sept 68 364,913

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Electrical Communications Technology -- From the Theory of Systems Viewpoint, by G. Fritzsche, 9 pp. GERMAN, per, Nachrichtentechnik, Vol XIII, No 10, 1963, pp 376-379.
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Sci - Electron
EEur - Germany
Econ
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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

The Technique of Modern Single Sideband Transmitters for Shortwave Communications, by K. M. Ostmann, 4 pp.

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ACSI I-5626
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Sci - Electron
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Measuring the Radiation Pattern of Focused-Beam Antennas Through the use of Ground Reflection, by J. Adler, 19 pp. FOR OFFICIAL USE ONLY GERMAN, per, Nachrichtentechnik, Vol XIV, No 7, 1964, pp 245-250. 9998727
FSTC 381-T65-497
I-8389
ID 2204044865

Sci - Elec
Jan 66 294,460

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Relationships Between Gap and Mirror of a Playback Head in Dynamic Magnetic Sotrage Technique, by R. Straubel, 10 pp

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*JPRS/SPECIAL/SF-3471

Sci - Elec
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NTC-71-10121-09C
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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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The Manufacture and Constancy of Chromium-Nickel Layer Resistors, by K. Hantke, K. Rumbke, 8 pp. FOR OFFICIAL USE ONLY (EISM, per, Nachrichtentechnik, Vol XIV, No 9, 1964, pp 349-352. 9698259
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Sci - Elec
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The Eigen Capacity of Piezoelectric Transducers for Electroacoustic Purposes, on Their Sensitivity, by H. Pfau.
GERMAN, per, Nachrichtentechnik, No 9, 1964, pp 352-356.
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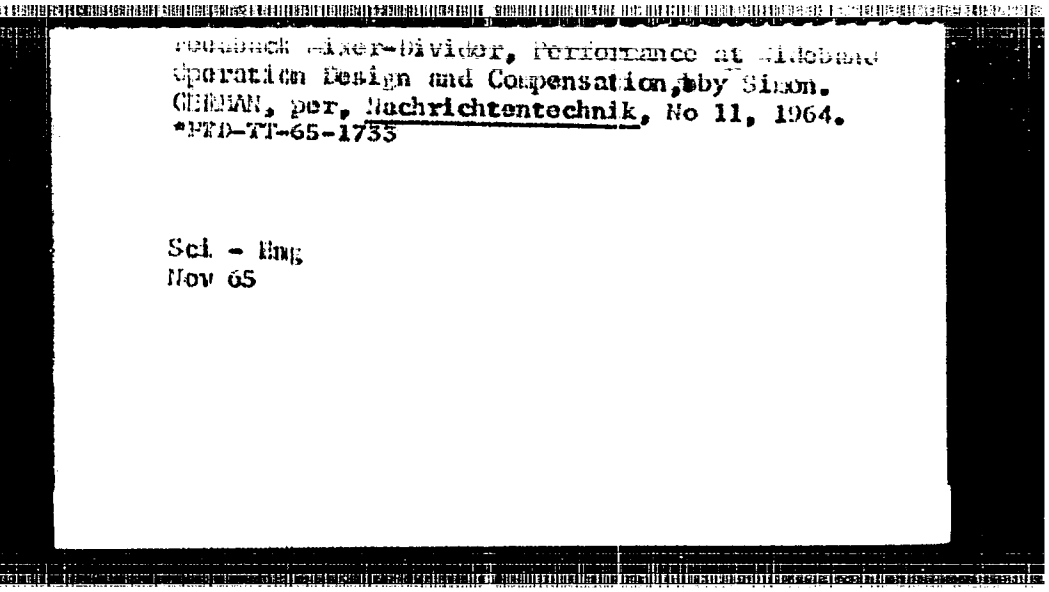
FTD-TT-65-824 24 pp 66 95452

Nov 71

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5



Feedback mixer-divider, Performance at Sideband Operation Design and Compensation, by Simon. GERMAN, per, Nachrichtentechnik, No 11, 1964. *FTD-TT-65-1735

Sci - Eng
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Various Results in the Field of Optoelectronics, by B. Paszkowski, 14 pp. GERMAN, per, Nachrichtentechnik, No 11, 1964, pp 411-416. 9699040
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Research on Correlation Modulation, by W. T. Muller, GERMAN, per, Nachrichtentechnik, No 11, 1964, 15pp. pp 418-422.
JPRS/SF-3490/Special

Sci - Electr
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The Regenerative Frequency Divider-Behavior in Wide-Band Operation, Design and Balancing, by R. Simon, 23 pp.
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PT00104466 PT00099266
FTD-TT-65-1733

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Substitute Switching of Transistors in Non-Isothermal Operation, by K. Paul.
For OFFICIAL USE ONLY
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FSTC 381-T65-266

Sci - Elec
Oct 65 288,644

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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FSTC R-5337-D

1. Semiconductor Block Method-One Way To Set Up Electronic Microsystems, by E. Kohler, pp 441-446

2. New Logical Switching in Diode-Transistor Technique, by D. Armgarth, pp 447-451

3. Emission-Microscopic Representation of Semiconducting Materials and Ore-Minerals With Specific Resistance Up To About 10^6 . cm^4, by U. Heisig, H. Jager, D. Wolf, pp 451-458

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Sci -
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FTD-TT-65-351

Sci - Engr
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Semiconductor Block Method for Use in Digital Electronic Microsystems,
by H. Hartmann, 19 pp.
FOR OFFICIAL USE ONLY
GERMAN, per, Nachrichtentechnik, Vol XIV,
No 12, 1964, pp 441-455. 9698170
FSTC 381-108-266

Sci -
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Oct 65 208,542

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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New Logical-Design in Diode-Transistor
Technology, by D. Arnquarth, 27 pp.
FOR OFFICIAL USE ONLY
GERMAN, per, Nachrichtentechnik, Vol XIV,
No 12, 1964, pp448-460. 9698170
FSTC 381-165-266

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The Fundamental Concepts of Information Theory, by H. Ploty
GERMAN, per, Nachtichtentechnische, Vol 28, 1964, pp. 75-8[illegible].
NTC 69-10612-0[illegible]

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Assignments of the Wave Propagation Laboratories of the Central Radio and Television Office RFZ of the East German Post Office DP at Kolberg Near Berlin, by U. Kuhn, F. Tauner, 12 pp. GERMAN, per, Nachrichtentechnik-Elektronik, Vol XIV, No 4, 1964, pp 134/-139. JPRS 25249

EE-Germany
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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Model BWR-X 10 Weather Radar of the VEB Funkmechanik Experimental Plant in Leipzig, by F. Mueller, R. Wagner, 8 pp.
GERMAN, per, Nachrichtentechnik Elektronik, Vol XIV, No 6, 1964, pp 235-238.
JPRS 25782

EE-Germany
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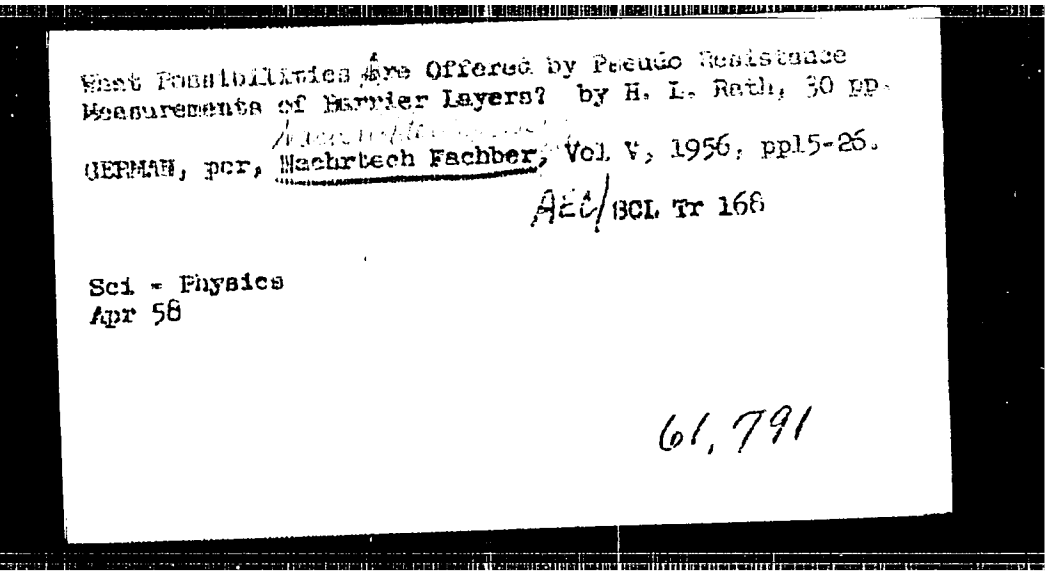

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Sci - Physics
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Pulse Code Modulation for Carrier Frequency Transmission, by G. Bosse, 12 p.

GERMAN, per, Nachrichtentechnische Fachberichte, 1957, Vol VI, No 2, pp 16-18.

SLA 59-20918

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Vol III, No 2

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Broad Band Antennas, by H. Meinke.

GERMAN, Nachrichtentechnische Fachberichte (NTF)
Beiheft der NTZ, No 12, 1958, pp 69-76.

F-TS-9985/V
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Holzwarth, H.
SINGLE-SIDEBAND MODULATION IN DIRECTIONAL RADIO. [1962] 15p.
Order from SLA $1.60) 62-16595

Trans. of Nachrichtentechnische Fachberichte (West Germany) 1960, v. 19, p. 86-91.

DESCRIPTORS: Radio signals, *Radio broadcasting, *Frequency modulation, Modulation, Radio interference, Noise (Radio), *Sidebands, Voice communication systems, Communication systems.

(Physics--Wave Propagation, TT, v. 9, no. 6)

62-16595

I. Holzwarth, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Parametric Amplifier With Three Signal Frequencies,
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GERMAN, per, Nachrichtentechnische Fachberichte,
Vol XXI, 1960, pp 45-48.

Patent Office

Sci - Elec

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The Reciprocity Theorem and Its Application to Measurements, by H. Brass, 7 pp.

GERMAN, per, Nachrichtentechnische Fachberichte, Vol XX, 1961, pp 11-14.

Navy Tr 3398/USBL 29

Sci - Math & Data Process
May 63

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Rohwer, K.
A TRAVELING-WAVE TUBE FOR 3 KILOWATT CONTINUOUS POWER IN THE RANGE OF DECIMETER WAVES (Eine Wanderfeldröhre für 3kW Dauerleistung im Gebiet der Dezimeterwellen). [1963, 10]p. (foreign text included) 1 ref.
Order from SLA $1.10 63-18352

Trans. of Nachrichtentechnische Fachberichte (West Germany) 1961, v. 22, p. 1-3.

DESCRIPTORS: *Traveling-wave tubes, High frequency, Coupling circuits, Attenuators, Design, Operation.

(Engineering--Electronic, TT, v. 10, no. 8)

63-18352

I. Rohwer, K.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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The Design of Electroacoustic Transducers by the use of Analog Purely Electrical Networks, by E. Martin.

GERMAN, per, Nachrichtentechnische Fachberichte, No 25, 1962, pp 57-64.

*Navy/USRL

Sci - Electron
Jul 63

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The Geochemistry of Selenium. 2. by
V. Goldschmidt, L. Strock.
GERMAN, per Nachr. Ges. Wiss. Gottingen,
Vol. 1, 1935, pp 123-142
CSIRO/No. 7643

Sci -
Aug 67

337-556

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Contributions to the Technique of Dense Standard Frequency Spectra, by Hans J. Griese, 36 pp.

GERMAN, per, Nachrichtentechnische Zeitschrift (NTZ), Vol II, No 6, 1949, pp 179-188.

OTS 60-16586

Sci

30 Mar 62

188, 930

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Barkow, P.
LINEARITY TOLERANCES IN DISCRIMINATOR CIRCUITS ESPECIALLY IN BROADBAND MICROWAVE F M RADIO LINK SYSTEMS. [1963] [57p] 14refs
Order from ELA $3.60 TT-64-14637

Trans. of [NTZ: Nachrichtentechnische Zeitschrift] (West Germany) 1952, v. 5, no. 2, p. 67-78.

DESCRIPTORS: *Discriminators, *Circuits, Mathematical analysis, Broadband, Frequency modulation, *Microwave communication systems, Design, Radio communication systems.

(Engineering--Electronic, TT, v. 11, no. 9)

TT-64-14637

I. Barkow, P.

Office of Technical Services

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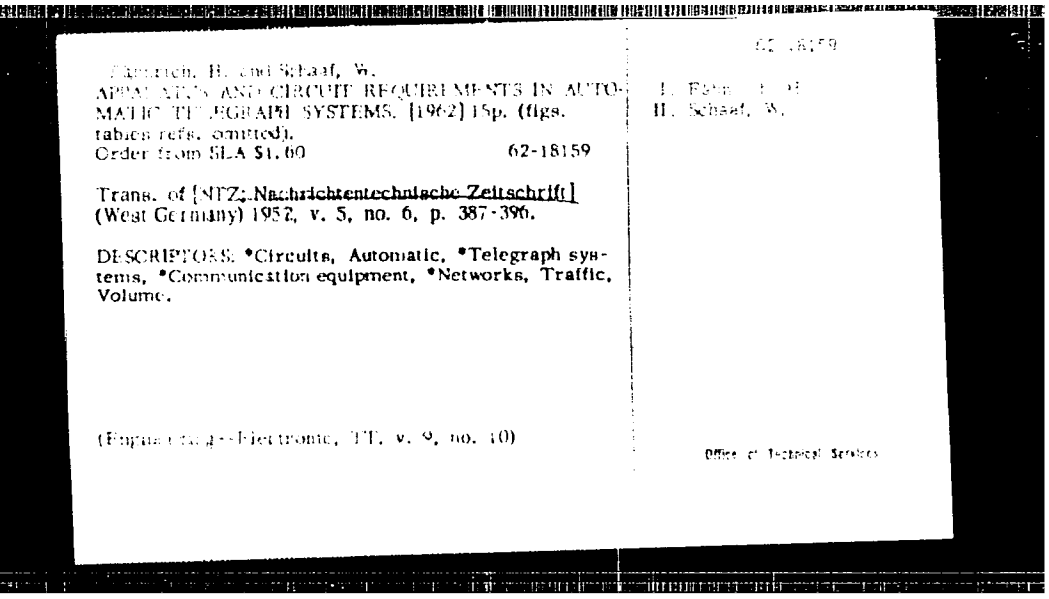

Zimmerich, H. and Schaaf, W.
APPARATUS AND CIRCUIT REQUIREMENTS IN AUTOMATIC TELEGRAPH SYSTEMS. [1962] 15p. (figs. tables refs. omitted).
Order from SLA $1.60 62-18159

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1952, v. 5, no. 6, p. 387-396.

DESCRIPTORS: *Circuits, Automatic, *Telegraph systems, *Communication equipment, *Networks, Traffic, Volume.

(Engineering--Electronic, TT, v. 9, no. 10)

62-18159

Zimmerich, H.
Schaaf, W.

Office of Technical Services

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Steinbuch, K.
ELECTRONIC SWITCHING ELEMENTS IN THE EXCHANGE TECHNIQUE. [1962] 15p. (figs. omitted).
Order from SLA $1.60 62-20347

Trans. of [NT?; Nachrichtentechnische Zeitschrift (West Germany) 1952, v. 5, no. 8, p. 349-356.

DESCRIPTORS: *Telephone communication systems, Telephone equipment, Electronic equipment, *Electronic switches, Electron tubes, *Discharge tubes, *Cold cathode tubes, *Variable resistors, *Thermistors, *Thyratrons, *Transistors, *Memory devices, *Switching circuits.

Modern electronic switching elements which may become important for the exchange technique are described from the standpoint of their application in switching, and a few characteristic switching combinations were examined. (Author)
(Engineering--Electronic, TT, v. 10, no. 1)

62-20347

I. Steinbuch, K.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

Lennertz, J. and others.
EXPERIMENTAL PERFORATED TAPE OPERATION.
[1962] 11p. (figs. omitted).
Order from SLA $1.60 62-18491

Trans. of [NTZ Nachrichtentechnische Zeitschrift] (West Germany) 1952, v. 5 [no. 8] p. 372-377.

DESCRIPTORS: *Communication theory, *Teletype systems, *Telegraph equipment.

(Research Methods--Communication Theory, TT, v. 10, no. 2)

62-18491

1. Lennertz, J.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

Schulz, E., Wild, W. and others.
A DIRECTIONAL RADIO SYSTEM WITH PULSE-PHASE MODULATION FOR 12 AND 24 TELEPHONE CHANNELS. PTS. C. HIGH FREQUENCY EQUIPMENT. D. THE ANTENNA SYSTEM. (Ein Richtfunksystem mit Pulsphasenmodulation zur Übertragung von 12 und 24 Fernsprechkanalen. C. Das Hochfrequenzgerat. D. Die Antennenanlage). [1963] [40]p.
Order from SLA $3.00 63-14406

Trans. of [NTZ: Nachrichtentechnische Zeitschrift] (West Germany) 1952 [v. 5] no. 10, p. 456-467.

DESCRIPTORS: *Radio communication systems, *Radio equipment, *Antennas, Antenna configurations, Electric cables, Coaxial filters, Multiplex, Filters (Electromagnetic wave), Attenuation, Transmitter-receivers, Direction finding, Multichannel telephone systems, High frequency, Lens antennas, Parabolic antennas.
(Engineering--Electronic, TT, v. 10, no. 6) (over)

63-14406

I. Schulz, E.
II. Wild, W.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

Behling, Hans.
INPUT CIRCUIT AND IF AMPLIFIER OF A 24-CHANNEL PULSE-PHASE-MODULATION SYSTEM (Eingangsschaltung und ZF-Verstärker einer 24-Kanal-Anlage mit Impulsphasen modulation). [1963] [37]p. (foreign text included) 14 refs.
Order from SLA $3.60 63-14431

Trans. of [illegible]: Nachrichtentechnische Zeitschrift] (West Germany) 1952 [v. 5] no. 11, p. 502-511.

DESCRIPTORS: *Intermediate frequency amplifiers, Amplifiers, *Circuits, *Pulse modulation, Transformers, Band-pass filters, Discriminators, Design, Construction, *Phase modulation, Multiplex.

This report deals with general aspects for the development of an input circuit and an IF amplifier for a 24-channel pulse-phase-modulation system. Practical construction of the amplifier is described; pertinent data and curves are included. (Author)

63-14431

1. Behling, H.

(Engineering--Electronic, TT, v. 10, no. 7)
Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

Grimsen, G.
NEW AUXILIARY PERFORATED TAPE EQUIPMENT FOR PAGE TELEPRINTERS. [1962] 10p. (figs. refs. omitted).
Order from SLA $1.10 62-16970

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1952, v. 5, no. 12, p. 545-550.

DESCRIPTORS: *Teletype systems, *Teletype equipment, Printing, Tapes, Data transmission systems.

Auxiliary devices for producing and transmitting perforated tapes recently developed for the Lorenz page printer are described. Their working procedure is explained in detail. (Author)

(Research Methods--Communication Theory, TT, v. 10, no. 6)

62-16970

I. Grimsen, G.

Office of Technical Services

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APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

Westerveld, F.
NEW RAPID SELECTOR. [1962] 6p. (figs. [refs.] omitted).
Order from SLA $1.10 63-10046

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1953, v. 6, no. 4, p. 165-168.

DESCRIPTORS: *Channel selectors, *Switching circuits, *Rotary switches, Automatic, Couplings, Construction, Operation.

(Engineering--Electrical, TT, v. 10, no. 11)

63-10046

I. Westerveld, F.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Seiffert, K. W.
OSCILLOGRAPHIC REPRESENTATION OF DISTORTION OF TELETYPE SIGNALS. [1962] 5p. (figs. formulae refs. omitted).
Order from SLA $1.10 62-20348

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1953, v. 6 [no. 5] p. 214-217.

DESCRIPTORS: *Teletype systems, *Telegraph signals, Distortion, Oscillation, Test methods, Test equipment (Electronics), *Oscillographs, Communication theory.

The distortions of teletype signals have principally been measured by instruments using the stroboscopic method. Now measuring methods have been developed indicating the distortion factor by means of a cathode ray oscillograph. Beginning with the fundamental criteria being valid for measuring the general distortion factor as well as the relative distortion factor, known and new measuring methods are described. (Author)

62-20348

I. Seiffert, K. W.

(Research Methods--Communication Theory, TT, v. 10, no. 1)

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Schulz, Hermann.
CONTRIBUTION TO THE PROBLEM OF DISTORTION AND ITS DEFINITION IN TELEGRAPHY. [1962] 6p.
Order from SLA $1.10 62-20349

I. Schulz, H.

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1953, v. 6, no. 9, p. 413-416.

DESCRIPTORS: *Telegraph signals, Reliability, Distortion, Determination, Communication theory.

The degree of distortion of rhythmic and arhythmic telegraph systems is defined. Standard definitions are critically discussed. A survey is made of various types of distortion. (Author)

(Research Methods--Communication Theory, TT, v. 10, no. 1)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, July 11, 2002 CIA-RDP84-00581R000401200051-5

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Trans. of [NTZ: Nachrichtentechnische Zeitschrift] (West Germany) 1953, v. 6, no. 12, p. 571-577.

DESCRIPTORS: *Demodulation, *Frequency modulation, Oscillation, Demodulators, Circuits, Equations, Mathematical analysis.

(Engineering--Electronic, TT, v. 11, no. 10)

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Schmidt, K. O.
SOME OBSERVATIONS CONCERNING SPEECH-SECRECY EQUIPMENT (Einige Betrachtungen zu Sprach-Verschleierungsanlagen). [1960] 17p. 38 refs.
Order from MDF $9.00 MDF S-171

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1. Voice communication systems - Security measures
2. Public safety, security and defense
I. Schmidt, K. O.
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III. Friedmann, Morris D., Inc., West Newton, Mass.

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Salow, H.
MODERN PERFORMANCE DATA OF TRANSISTORS AND RESULTING POSSIBILITIES OF APPLICATION TO TELEPHONE SYSTEMS. [1962] 8p. (figs. formulae refs. omitted).
Order from SLA $1.10 62-20350

Trans. of [NTZ; Nachrichtentechnische Zeitschrift] (West Germany) 1954 [v. 7, no. 7] p. 327-333.

DESCRIPTORS: *Telephone communication systems, Telephone equipment, Telephone repeaters, *Transistor amplifiers, *Push-pull amplifiers, Circuits, Semiconductor devices, *Transistors, Physical properties, Stability, Operation.

The physical-technical properties of the crystal amplifier or transistor and its quadripole characteristics are represented. The output data, which were obtained on (Engineering--Electronic, TT, v. 10, no. 1) (over)

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I. Salow, H.

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Sci - Physics; Electronics 45,256

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The Most Favorable Current or Field Distribution With Flat Top and End Fire Array With Continuous Illumination, by A. Heilmann.

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A. The Most Favorable Current or Field Distribution With Flat Top and End Fire Array With Continuous Illumination, by A. Heilmann; B. Carrier Frequency Installations for Cables, Overhead Lines and Radio Channels, by H. Hanneman, H. Piechatzek; C. The Frequency Band Recorder, by H. Fleischer, H. Widdra; D. New Devices for the Determination of the Static Distributinn of Irregular Electric Processes, by J. Grosskopf, K. H. Kapelhoff, G. Kopte, E. Radio Telescope in theEifel Mountains,

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New Devices for the Determination of the Static Distribution of Irregular Electric Processes, by J. Grosskopf, K. H. Kapelhoff, O. Kopte.

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Symbols of the Science of Electrical Communications, by Prof. Dr. H. Meinke, 16 pp.
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The Locus of the Extremes of the Field Components for a Recording Head, by J. Greiner, 24 pp.

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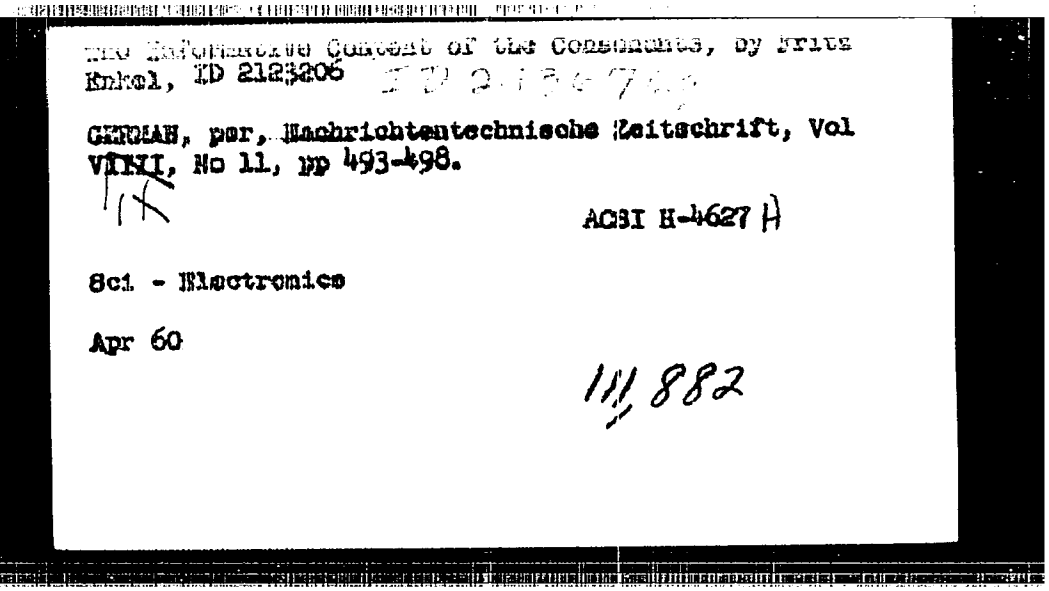

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